

TAN Cher Wah



Senior Lecturer & Consultant, Software Systems Practice

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Profile

Cher Wah has over 20 years of software development experience in the Education, Security and Applied R&D domains. Prior to joining NUS-ISS, he headed up a software team to develop mobile, desktop and web applications at Marshall Cavendish Education. He has also worked at Startups, SMEs, MNCs and Government entities.

His past works consisted of porting a Windows (x86 chipset) voice recording app to run on a PowerPC Mac (RISC chipset), capturing a streaming video and converting its byte-streams to a FLV file on-the-fly, developing a synchronization engine that performed two-way incremental-sync between Microsoft Outlook and a remote server, and an iOS learning trail app that featured sites like Discovery Centre, Jurong Bird Park and Singapore Zoo.

Cher Wah is always curious with how things work under the hood. His technical interests include 3D Computer Graphics, Computer Vision, Machine Learning, Operating Systems and Programming Languages.

Educational Qualifications/Professional Certifications

- Master of Computing (CS), National University of Singapore (2016 - 2018)
- Master of Business Administration (MBA), University of Manchester (2005 - 2010)
- Bachelor of Computer Science, Purdue University (1997 - 2000)

Academic and Professional Experience

- Software Architect & Head, Software Development, Marshall Cavendish Education (2008 - 2018)
- Consultant, Infocomm Development Authority of Singapore (2005 - 2007)

- Senior Software Engineer, Popular eLearning (2003 - 2005)
- Senior Software Engineer, A New Voice (2001 - 2003)
- Software Engineer, Symantec (2000 - 2001)
- Software Intern, Third Voice (1999)
- Associate Member of Technical Staff, Information Technology Institute (1995 - 1997)
- Software Engineer, Informatics Holdings Ltd (1994 - 1995)

What I Teach

SOFTWARE SYSTEMS

NUS Graduate Diploma in Systems Analysis - Capstone & Internship

SOFTWARE SYSTEMS

Stackable Graduate Certificate Programme in Digital Solutions Development

SOFTWARE SYSTEMS

NUS Certificate in Digital Solutions Development – Foundations

SOFTWARE SYSTEMS

NUS Certificate in Digital Solutions Development – Mobility Applications

SOFTWARE SYSTEMS

Graduate Certificate in Digital Solutions Development – Machine Learning Applications

ARTIFICIAL INTELLIGENCE

Machine Learning Applications

ARTIFICIAL INTELLIGENCE

Problem Solving using Pattern Recognition

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